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into said cell using a viral vector.

WHAT IS CLAIMED IS:

1	1.	Αı	method of inhibiting the generation of active thrombin on the		
2	surface of a cell of a mammal, the method comprising producing an ER resident				
3	chaperone protein in said cell.				
1	2.	Th	e method of claim 1, wherein said cell is an endothelial cell.		
1	3.	Th	e method of claim 1, wherein said cell is a smooth muscle cell.		
1	4.	Th	e method of claim 1, wherein said cell is a macrophage.		
1	5.	Th	e method of claim 1, wherein said cell is a monocyte.		
1	6.	Th	e method of claim 1, wherein said ER resident chaperone protein		
2	is GRP78/BiP.				
1	7.	Th	e method of claim 1, wherein said ER resident chaperone protein		
2	is selected from the group consisting of GRP94, GRP72, Calreticulin, Calnexin, Protein				
3	disulfide isomera	ase, cis/tr	rans-Prolyl isomerase, and HSP47.		
1	8.	Th	e method of claim 1, wherein the production of said ER resident		
2	chaperone protein within said cell results in a decrease in the level of tissue factor				
3	procoagulant activity on the surface of said cell.				
1	9.	Th	e method of claim 1, wherein said cell is present within said		
2	mammal.				
1	10	O. Th	e method of claim 9, wherein said cell is present within an		
2	atherosclerotic pl	laque in	said mammal.		
1	11	1. Th	e method of claim 1, wherein a polynucleotide encoding said ER		
2	resident chaperone protein, operably linked to a promoter, is introduced into said cell,				
3	whereby said ER resident chaperone protein is produced.				
1	12	2. Th	e method of claim 11, wherein said polynucleotide is introduced		

1	13. The method of claim 12, wherein said viral vector is an adenoviral			
2	vector.			
1	14. The method of claim 11, wherein said polynucleotide is introduce			
2	into said cell using a nonviral vector.			
1	15. The method of claim 14, wherein said nonviral vector is introduc			
1 2	into said cell as naked DNA or using liposome-mediated transfection.			
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1	16. The method of claim 1, wherein said ER resident chaperone prot			
2	is produced by administering to said cell a compound that induces the expression or			
3	activation of an endogenous ER resident chaperone protein.			
1	17. The method of claim 16, wherein said compound is a cytokine.			
1	18. A method of preventing or treating a thrombotic disease or			
2	condition in a mammal, the method comprising producing an ER resident chaperone			
3	protein within a population of cells of said mammal, whereby the generation of active			
4	thrombin on the surface of said population of cells is inhibited.			
1	19. The method of claim 18, wherein said population of cells			
2	comprises endothelial cells.			
1	20. The method of claim 18, wherein said population of cells			
2	comprises smooth muscle cells.			
2				
1	21. The method of claim 18, wherein said population of cells			
2	comprises macrophages.			
1	22. The method of claim 18, wherein said population of cells			
2	comprises monocytes.			
1	23. The method of claim 18, wherein said ER resident chaperone			
1				
2	protein is GRP78/BiP.			
1	24. The method of claim 18, wherein said ER resident chaperone			
2	protein is selected from the group consisting of GRP94, GRP72, Calreticulin, Calnexin,			
3	Protein disulfide isomerase, cis/trans-Prolyl isomerase, and HSP47.			

1	25.	The method of claim 18, wherein the production of said ER
2	resident chaperone pro	tein within said population of cells results in a decrease in the level
3	of tissue factor procoag	gulant activity on the surface of said population of cells.
1	26.	The method of claim 18, wherein said population of cells is present
2	within an atherosclerot	ic plaque in said mammal.
1	27.	The method of claim 18, wherein said mammal has had a
2	myocardial infarction a	and is undergoing angioplasty or stenting.
1	28.	The method of claim 27, wherein said mammal is undergoing
2		lation of cells is present on the surface of a stent within said
3	mammal.	
1	29.	The method of claim 18, wherein said mammal is undergoing
2	cranial radiation.	
1	30.	The method of claim 18, wherein said mammal is undergoing
2	vascular surgery.	
1	31.	The method of claim 18, wherein a polynucleotide encoding said
2	ER resident chaperone	protein, operably linked to a promoter, is introduced into said
3	population of cells, wh	ereby said ER resident chaperone protein is produced.
1	32.	The method of claim 31, wherein said polynucleotide is introduced
2	into said cell using a vi	ral vector.
1	33.	The method of claim 32, wherein said viral vector is an adenoviral
2	vector.	
1	34.	The method of claim 31, wherein said polynucleotide is introduced
2	into said cell using a no	onviral vector.
1	35.	The method of claim 34, wherein said nonviral vector is introduced
2	into said call as nakad l	DNA or using liposome-mediated transfection

1		36.	The method of claim 18, wherein said ER resident chaperone	
2	protein is prod	duced b	y administering to said population of cells a compound that induces	
3	the expression	or acti	vation of an endogenous ER resident chaperone protein.	
1		37.	The method of claim 36, wherein said compound is a cytokine.	
1		38.	A method of identifying a compound that is useful in the treatment	
2	or prevention	n of a thrombotic disease or condition, the method comprising:		
3		(1) con	ntacting a cell that expresses an ER resident chaperone protein, or	
4	that is capable of expressing an ER resident chaperone protein, with said compound; and			
5		(2) det	ecting the functional effect of said compound on said ER resident	
6	chaperone protein;			
7		where	in an increase in the expression or activity of said ER resident	
8	chaperone protein in said cell indicates that said compound would be useful in the			
9	treatment or p	reventio	on of said thrombotic disease or condition.	
1		39.	The method of claim 38, wherein said ER resident chaperone	
2	protein is GRI	278/BiF).	
1		40.	The method of claim 38, wherein said ER resident chaperone	
2	protein is selec	cted fro	m the group consisting of GRP94, GRP72, Calreticulin, Calnexin,	
3	Protein disulfide isomerase, cis/trans-Prolyl isomerase, and HSP47.			
1		41.	The method of claim 38, wherein said cell is an endothelial cell.	
1		42.	The method of claim 38, wherein said cell is a smooth muscle cell.	
1		43.	The method of claim 38, wherein said cell is a macrophage.	
1		44.	The method of claim 38, wherein said cell is a monocyte.	
1		45.	The method of claim 38, wherein said compound induces said	
2	expression or activation of said ER resident chaperone protein in said cell without			
3	inducing ER stress in said cell.			

- 1 46. A method of treating or preventing a thrombotic disease in a
- 2 mammal, the method comprising administering to said mammal a therapeutically or
- 3 prophylactically effective amount of a compound identified using the method of claim 38.